

1. Record Nr.	UNINA9910788009603321
Autore	Berkowitz Joseph <1930->
Titolo	Atomic and molecular photoabsorption : absolute partial cross sections // Joseph Berkowitz
Pubbl/distr/stampa	Amsterdam, [Netherlands] : , : Academic Press, , 2015 ©2015
ISBN	0-12-801958-1
Descrizione fisica	1 online resource (533 p.)
Disciplina	539.75
Soggetti	Photoabsorption
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Front Cover; Atomic and Molecular Photoabsorption; Copyright; Contents; Preface; Acknowledgment; Chapter 1 - Alternative Designations of Absolute Partial Cross Sections; 1.1. THE SO-CALLED COMPLETE, OR PERFECT, EXPERIMENT; 1.2 MULTICHANNEL QUANTUM DEFECT THEORY (MQDT); 1.3 THE MOLECULAR ORBITAL PICTURE; ONE-HOLE IONIZED STATES FROM EACH ORBITAL; 1.4 IONIZATION CROSS-SECTIONS CAN ALSO BE PARTITIONED ACCORDING TO THEIR FINAL IONIC STATE; REFERENCES; Chapter 2 - Atoms; Chapter 2.1 - Absolute Partial Cross-Sections of Helium; 2.1.1 INTRODUCTION; 2.1.2 TOTAL PHOTOABSORPTION 2.1.3 PARTIAL CROSS-SECTIONS 2.1.4 ABOVE THE HE2+ THRESHOLD; REFERENCES; Chapter 2.2 - Absolute Partial Cross-Sections of Atomic Lithium; 2.2.1 INTRODUCTION; 2.2.2 PARTIAL CROSS-SECTIONS BELOW 64.41 EV; 2.2.3 PHOTOELECTRON SPECTROSCOPY; 2.2.4 PHOTOIONIZATION MASS SPECTROSCOPY; REFERENCES; Chapter 2.3 - Absolute Partial Cross-Sections of Atomic Nitrogen; 2.3.1 INTRODUCTION; 2.3.2 PHOTOELECTRON SPECTROSCOPY; 2.3.3 PHOTOIONIZATION MASS SPECTROMETRY; REFERENCES; Chapter 2.4 - Absolute Partial Cross-Sections of Atomic Oxygen; 2.4.1 INTRODUCTION; 2.4.2 PHOTOELECTRON SPECTROSCOPY 2.4.3 PHOTOIONIZATION MASS SPECTROMETRY REFERENCES; Chapter 2.5 - Absolute Partial Cross-Sections of Neon; 2.5.1 VALENCE SHELL

PHOTOIONIZATION; 2.5.2 PHOTOIONIZATION IN THE VICINITY OF THE K-SHELL; REFERENCES; Chapter 2.6 - Absolute Partial Cross-Sections of Sodium; 2.6.1 INTRODUCTION; 2.6.2 PHOTOELECTRON SPECTROSCOPY; 2.6.3 PHOTOIONIZATION MASS SPECTROMETRY; 2.6.4 K-SHELL IONIZATION; REFERENCES; Chapter 2.7 - Absolute Partial Cross-Sections of Atomic Chlorine; 2.7.1 PHOTOELECTRON SPECTROSCOPY; 2.7.2 PHOTOIONIZATION MASS SPECTROMETRY; REFERENCES Chapter 3.2 - Absolute Partial Cross-Sections of N23.2.1 OUTER VALENCE REGION; 3.2.2 INNER VALENCE REGION; 3.2.3 PARTIAL CROSS-SECTIONS NEAR THE K-EDGE; REFERENCES; Chapter 3.3 - Absolute Partial Cross-Sections of Molecular Oxygen; 3.3.1 OUTER VALENCE REGION; 3.3.2 INNER VALENCE REGION; 3.3.3 PARTIAL CROSS-SECTIONS NEAR THE K-EDGE; REFERENCES; Chapter 3.4 - Absolute Partial Cross-Sections of Carbon Monoxide; 3.4.1 OUTER VALENCE REGION; 3.4.2 INNER VALENCE REGION; 3.4.3 PARTIAL CROSS-SECTIONS NEAR THE CARBON K-EDGE; 3.4.4 PARTIAL CROSS-SECTIONS NEAR THE OXYGEN K-EDGE; REFERENCES Chapter 3.5 - Absolute Partial Cross-Sections of NO

---